

executing encryption processing for each spatial rectangle region~~tile~~, each of which is located at a lower layer belonging to the designated spatial rectangle region ~~tile~~-group, by using an encryption key generated for ~~the tile~~each spatial rectangle region.

2. (Canceled)

3. (Currently Amended) The method according to claim ¹~~2~~, wherein the function ROM generates the key information by using coordinate position information of a spatial rectangle region ~~tile~~-group or a spatial rectangle region ~~tile~~-located at the lower layer.

4. (Original) The method according to claim 1, wherein the encryption key information of the uppermost layer is output to a predetermined authentication server on the Internet.

5. (Currently Amended) The method according to claim 1, wherein the method further comprises a step of displaying the received encoded data as a hierarchical structure of spatial rectangle regions ~~tiles~~ and spatial rectangle region ~~tile~~-groups, and

the desired spatial rectangle region ~~tile~~-group of the desired layer is designated from the hierarchical structure displayed in the display step.